

ABSTRACT

A liquid ejection head includes a liquid
5 path; an ejection outlet forming member which
constitutes a part of a wall of the liquid and which
forms an ejection outlet for ejecting a droplet of
liquid; a heat generating element, provided at a
position opposing to the ejection outlet of the wall
10 of the liquid flow path, for generating a bubble in
the liquid by application of heat to the liquid; a
restrictor portion, provided at a recessed portion of
the ejection outlet, wherein the recessed portion is
recessed from a plane in which the ejection outlet is
15 formed, wherein the liquid forms a meniscus and is
retained in the ejection outlet such that the
restrictor portion is within the liquid, wherein an
area S_o of an opening of the restrictor portion and a
surface S_h of the heat generating element satisfy $S_o \leq$
20 S_h . According to this invention, a central portion of
the meniscus opposed to the fine opening at the
ejection outlet bulges, and the liquid is ejected in
this state. Namely, very small amount of the liquid
can be ejected, since not all of the liquid in the
25 recess portion in the ejection outlet is ejected.